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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/771,045	02/03/2004	Frank P. Uckert	UC0209USNA	1529	
23906	7590 06/16/2005		EXAM	INER	
E I DU PONT DE NEMOURS AND COMPANY			TRUON	TRUONG, DUC	
LEGAL PAT	ENT RECORDS CENTER				
BARLEY MILL PLAZA 25/1128 4417 LANCASTER PIKE WILMINGTON, DE 19805			ART UNIT	PAPER NUMBER	
			. 1711		
			DATE MAILED: 06/16/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
		10/771,045	UCKERT ET AL				
	Office Action Summary	Examiner	Art Unit				
		Duc Truong	1711				
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)	Responsive to communication(s) filed on						
2a) <u></u>	This action is <b>FINAL</b> . 2b)⊠ This	s action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Dispositi	Disposition of Claims						
4)⊠ Claim(s) <u>1-12</u> is/are pending in the application.							
	4a) Of the above claim(s) 10 and 11 is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.							
6)⊠	6)⊠ Claim(s) <u>1-9 and 12</u> is/are rejected.						
7)	<u>,                                    </u>						
8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9) The specification is objected to by the Examiner.							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>							
Attachment(s)							
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)							
3) 🛛 Inform	Notice of Draftsperson's Patent Drawing Review (PTO-948)   Paper No(s)/Mail Date   Notice of Draftsperson's Patent Drawing Review (PTO-948)   Paper No(s)/Mail Date   Notice of Informal Patent Application (PTO-152)   Other:						

## **DETAILED ACTION**

Applicant's election of Group I with a species (polymer 1) in the reply filed on 5/6/05 and 4/18/05 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1-5, 7-9 and 12 are rejected under 35 U.S.C. 102(a) as being anticipated by EP 1138746 of record on 1449.

The reference discloses polymeric fluorescent and polymer light emitting device comprises in the main chain one or more repeating units of formula (1) (see Abstract) wherein 0.05-10 mole% of all repeating units in the polymeric fluorescent substance have branching polymeric chains (see page 7, lines 30-34).

Note that the composition has been disclosed on page 7, including the chemical formulae on pages 8-15 to form a branching polymeric chain (see page 19, line 13) or too many branches---(see page 20, line 14) in the light emitting layer composition (see page 23, lines 15 et seq.)

At least reactants under process conditions have been disclosed in Example 3 and in claims 1 and 9.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the

applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-9 and 12 are rejected under 35 U.S.C. 102(e) as being anticipated by Gamerith et al of record on 1449.

The reference discloses polyfluorenes such as poly(9,9-dialkyl fluorene) with two hexahydrofarnesyl side branches, a slight branched with tetrabromospiro(fluorene-9,9'-fluorene) as branch and the same polyfluorene with triphenylamine endcappers (see Abstract0 or without endcapper (PF A 193) in Figure 1 (a) to form fluorene triarylamine copolymers [14].

Note that the reference clearly discloses the PF A193 as triarylamine without endcapper, as the claimed species (1).

Note also that the polyphenylene based materials as conjugated polymers can be used as blue light emitting materials in polymer light emitting devices (see Introduction).

Thus, each and every limitation of the claims is met by the references.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Duc Truong whose telephone number is 571-272-1081. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on 571-272-1078. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for Application/Control Number: 10/771,045 Page 4

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published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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DUCTRUONG PRIMARY EXAMINER